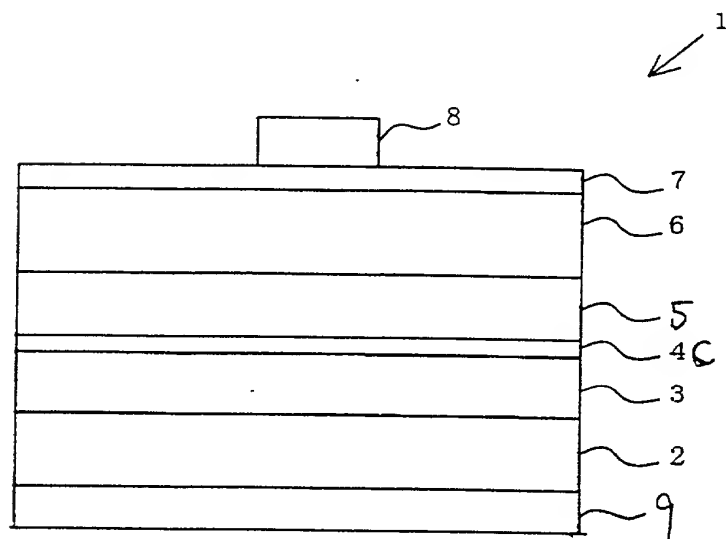
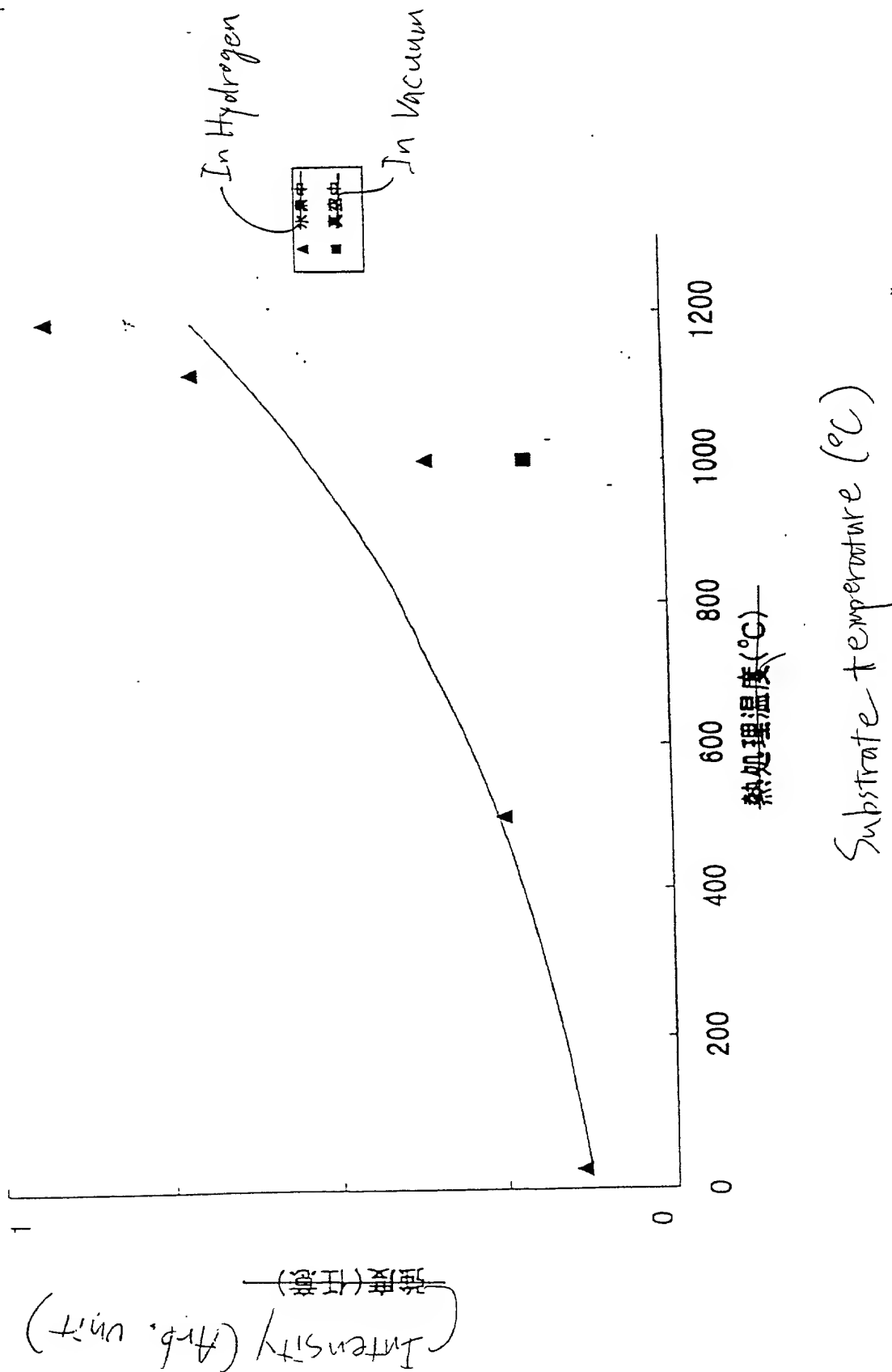


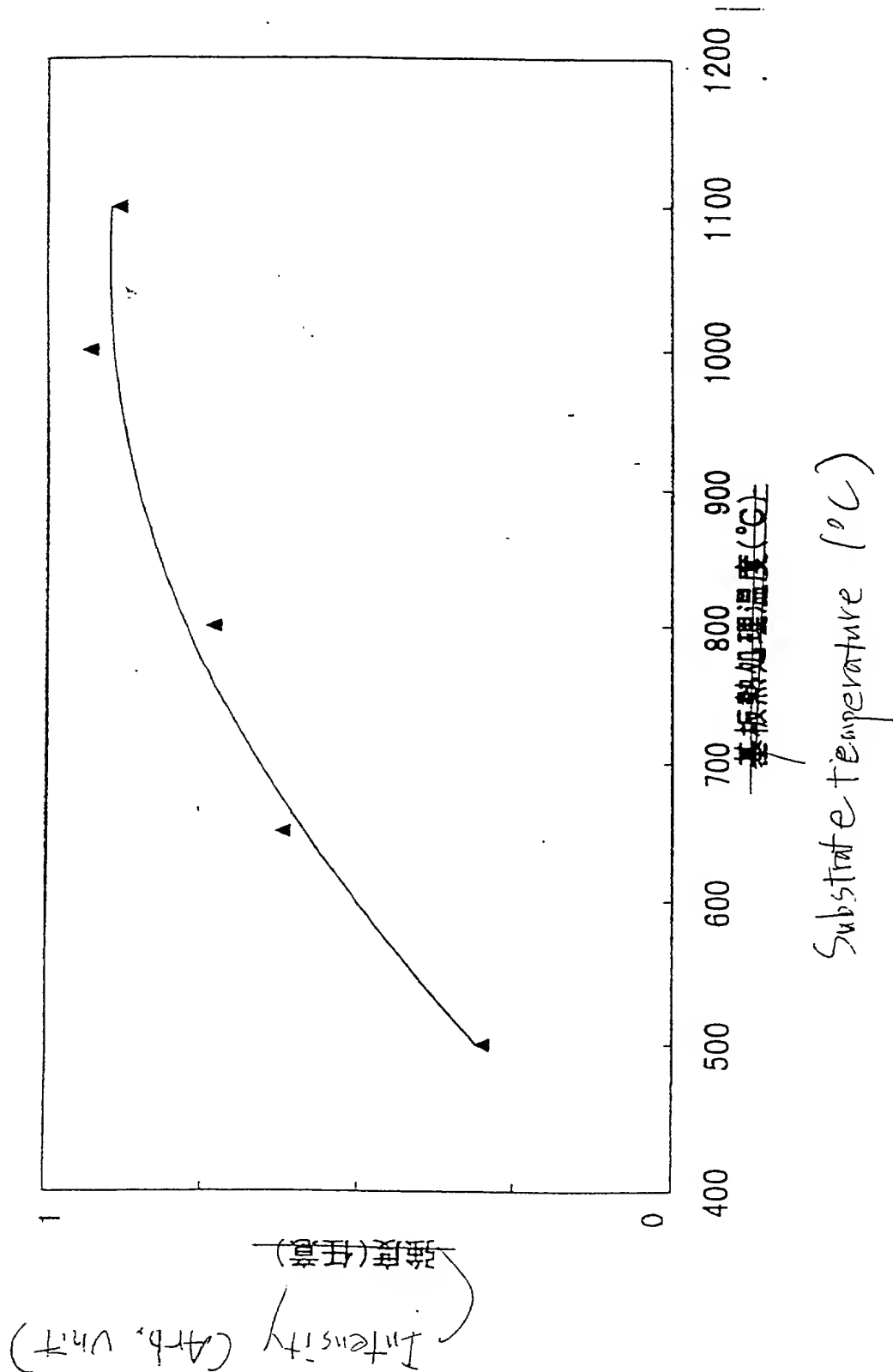
FIG. 1



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FIG. 2





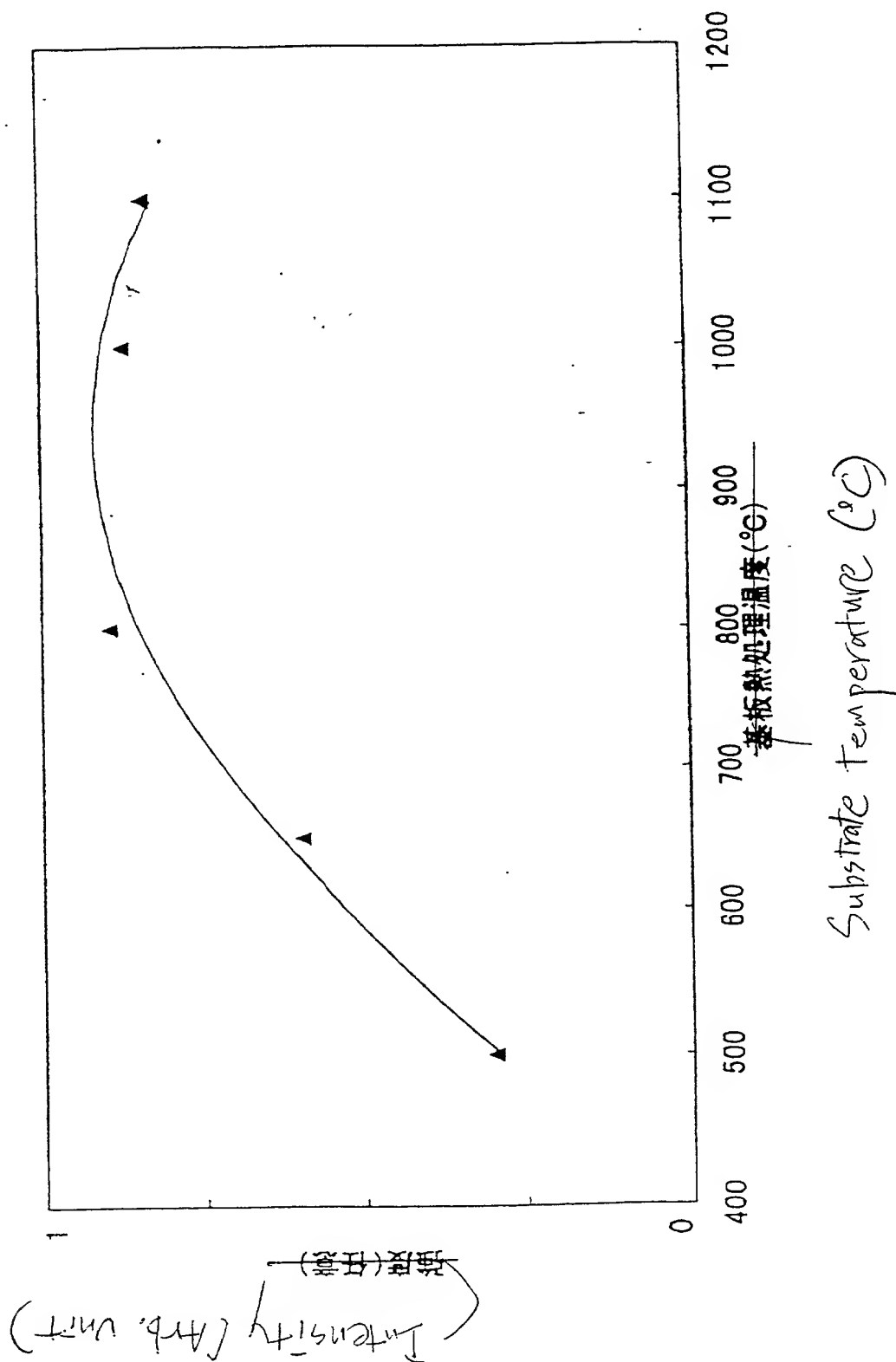


FIG. 5

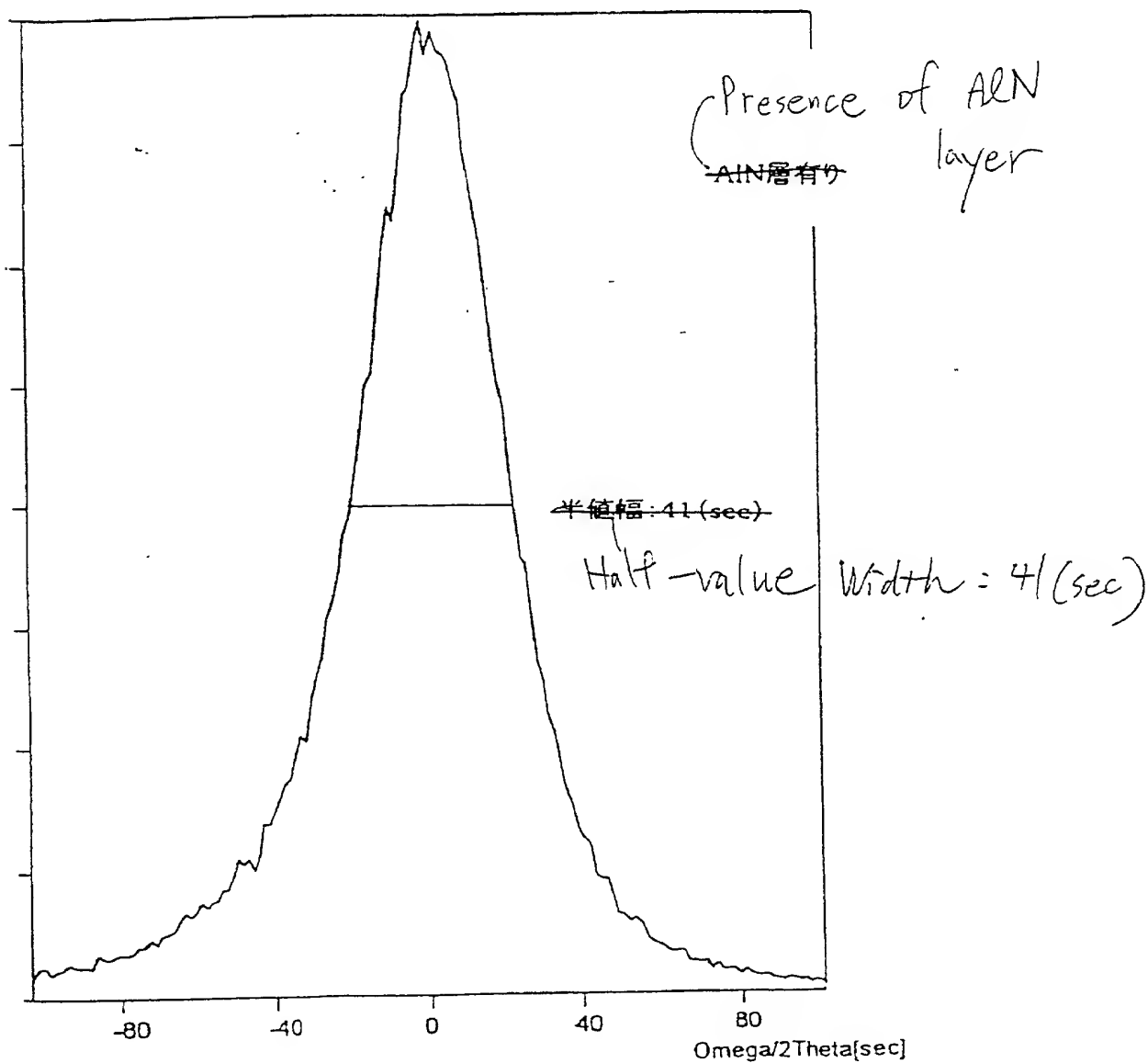


FIG. 6

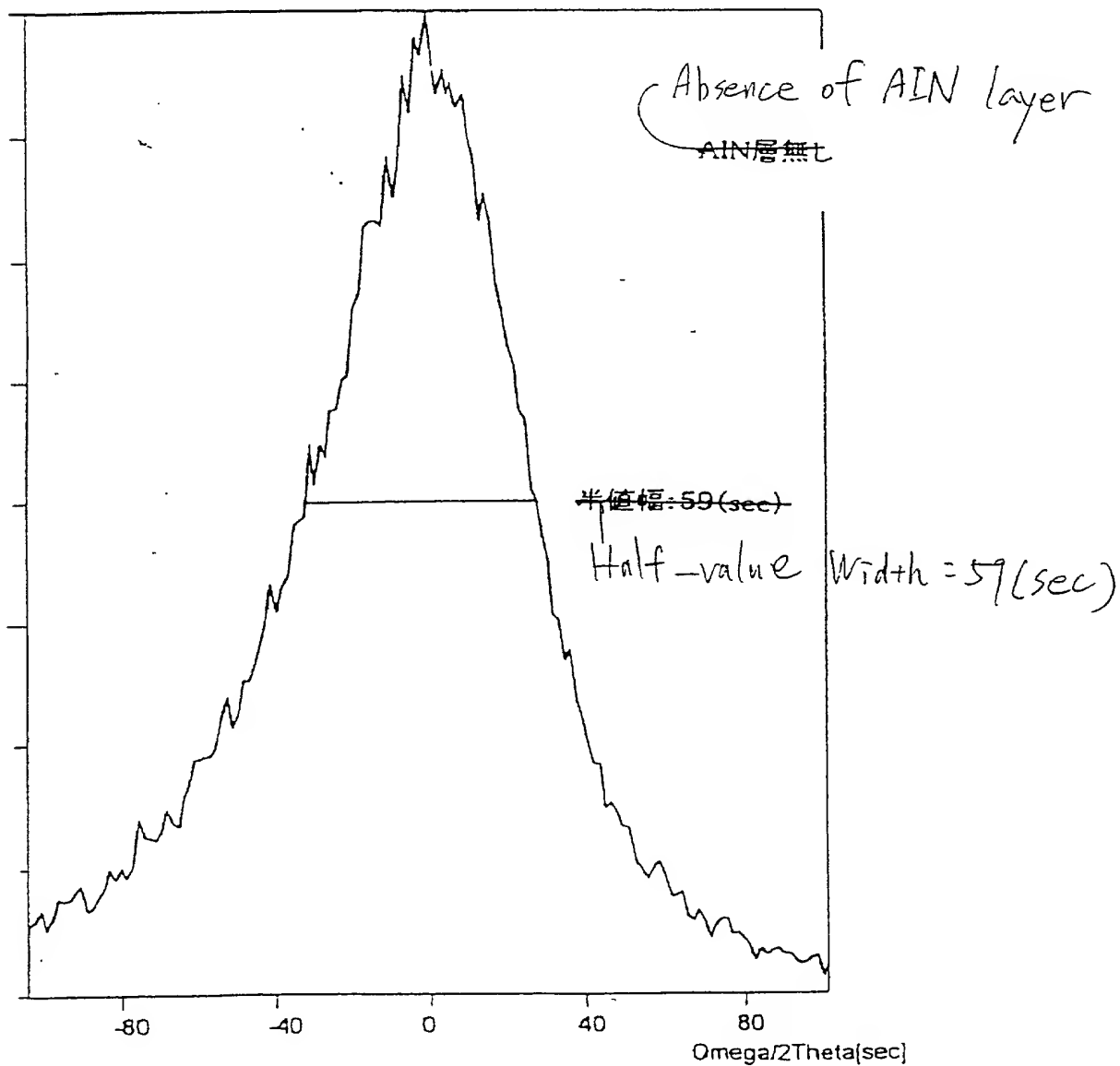


FIG. 7

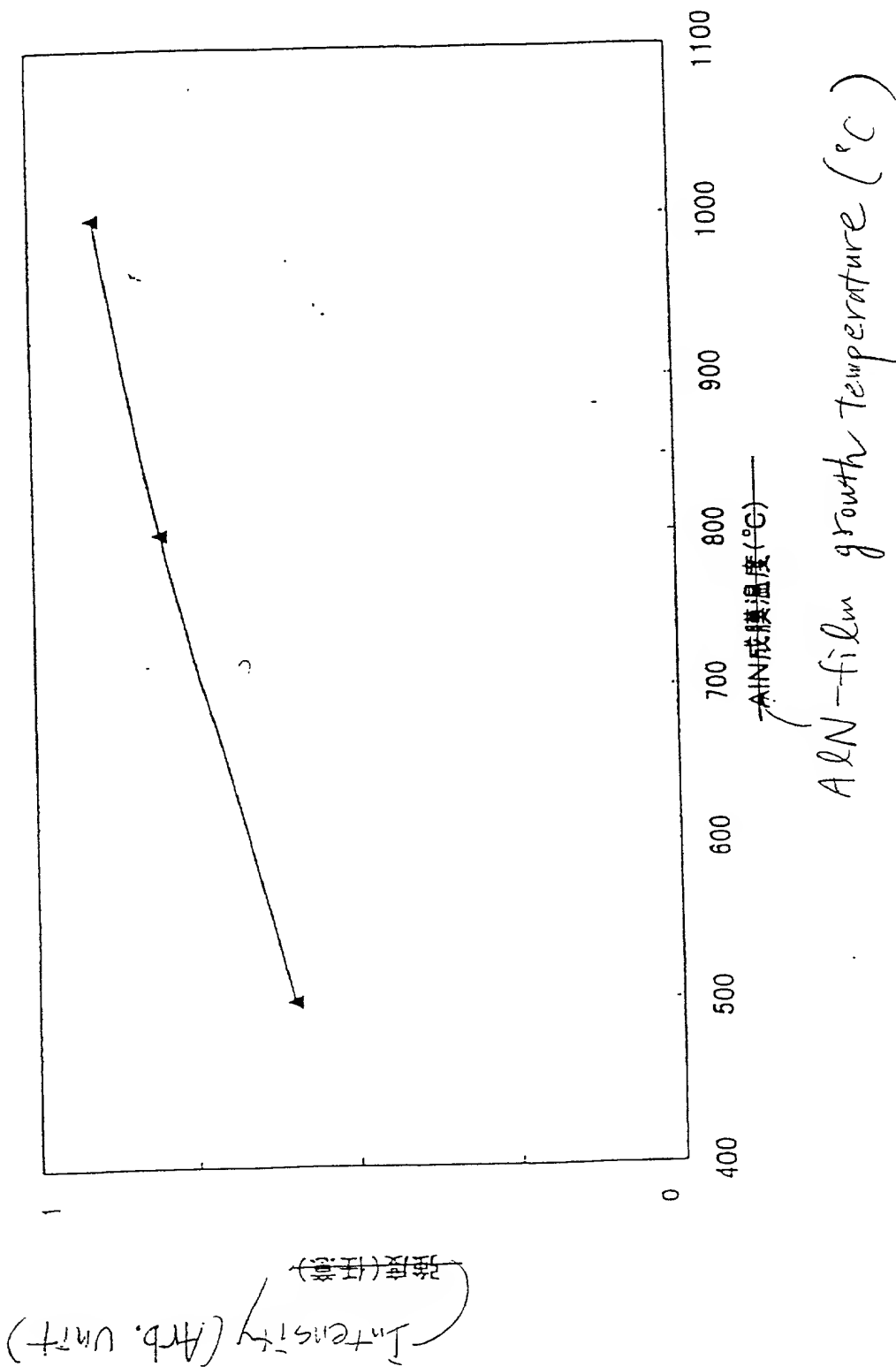


FIG. 8

~~GaN の X線 rocking curve~~ X-ray rocking curve
of GaN

GaN / AlN / TiN / Sap

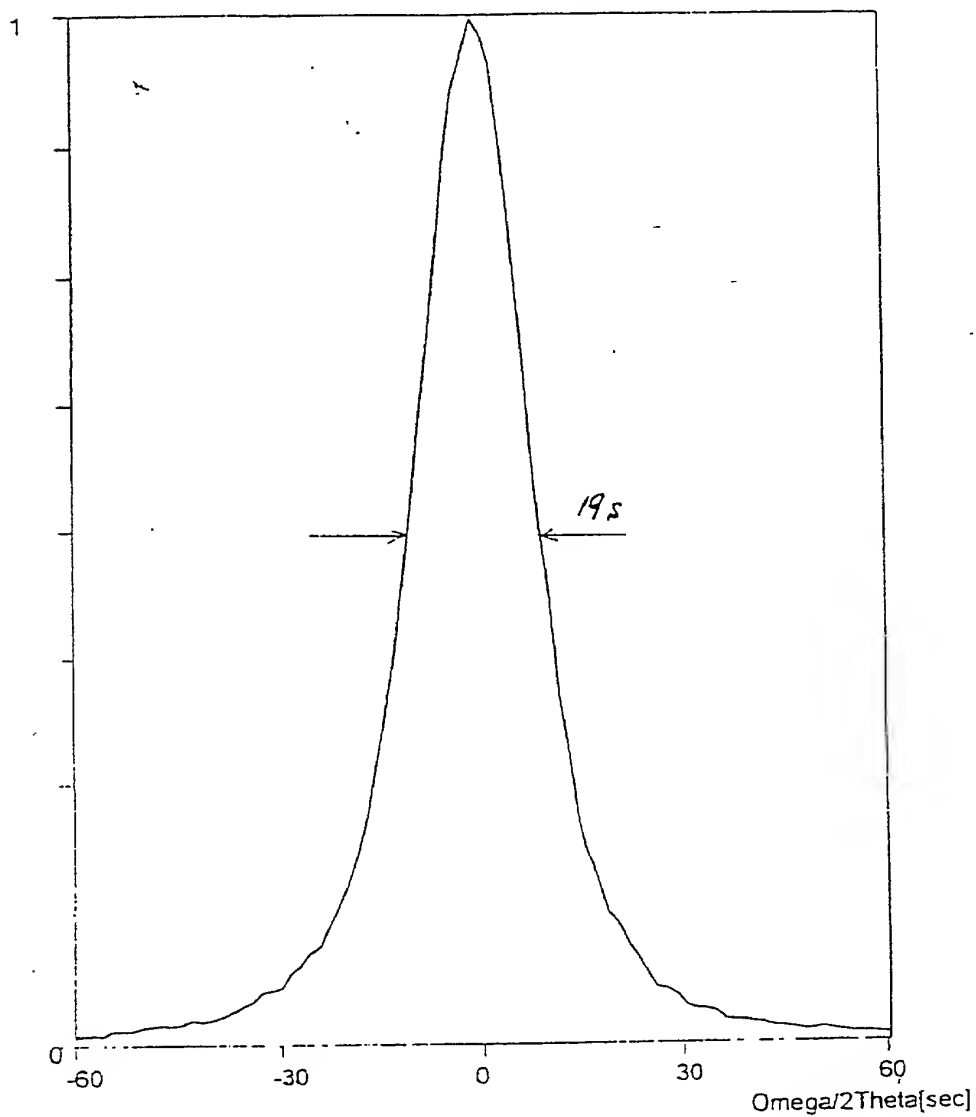
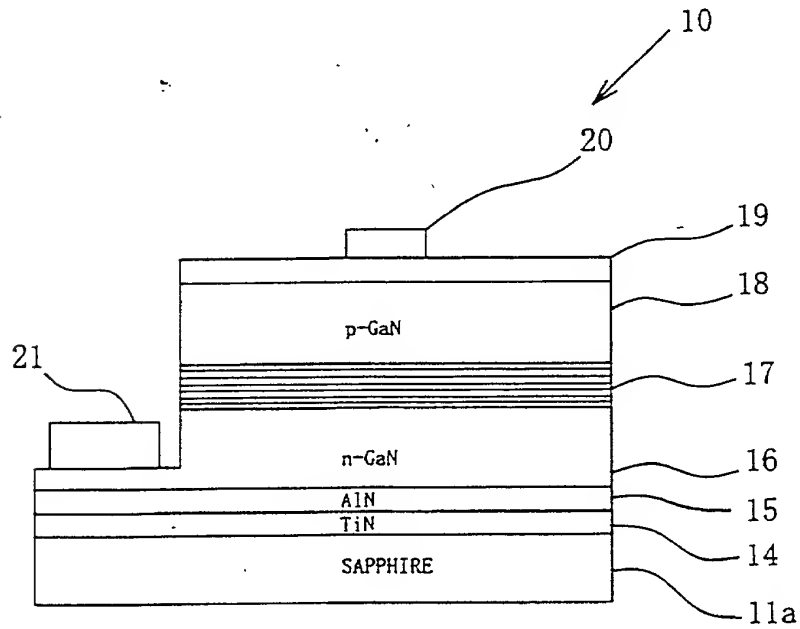
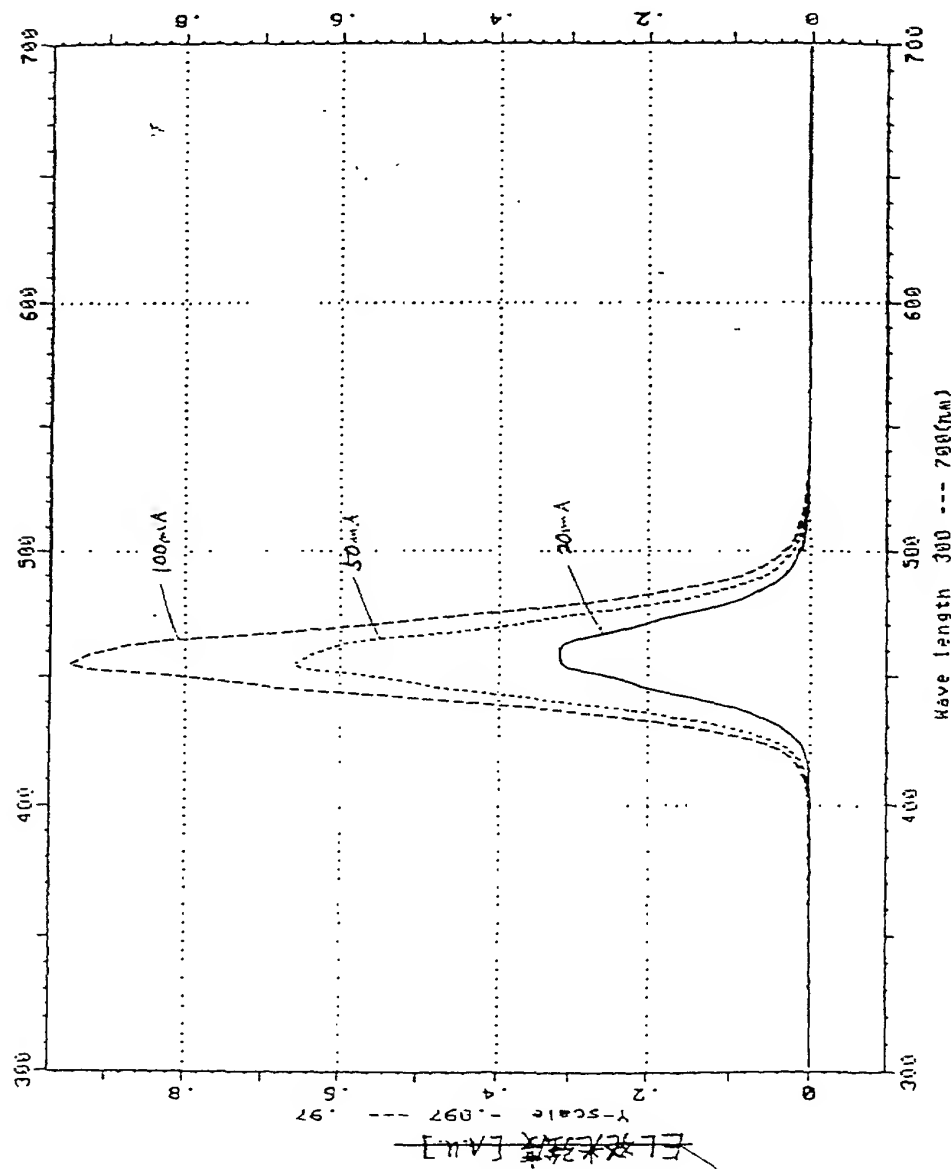


FIG. 9





Emission Light Intensity [A.u.]

FIG. 11

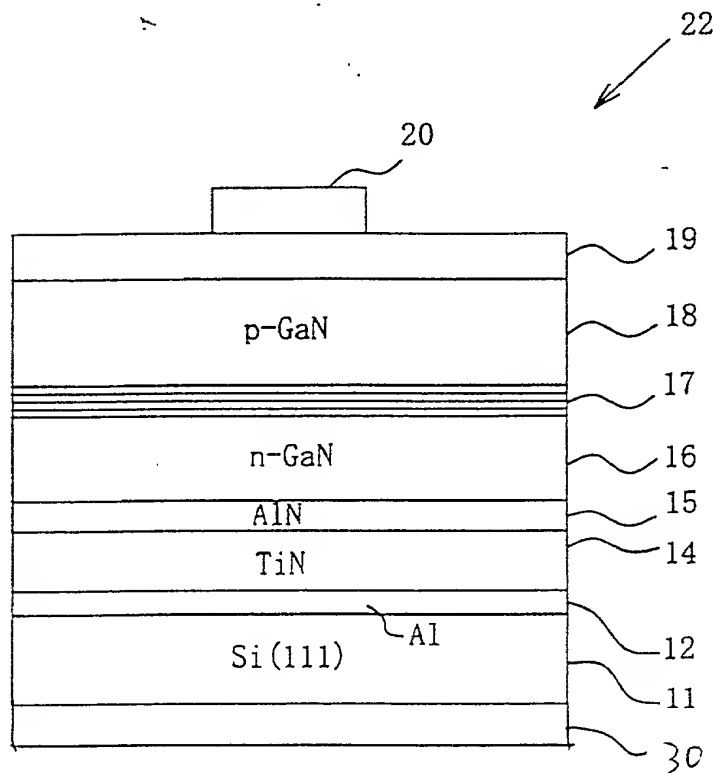
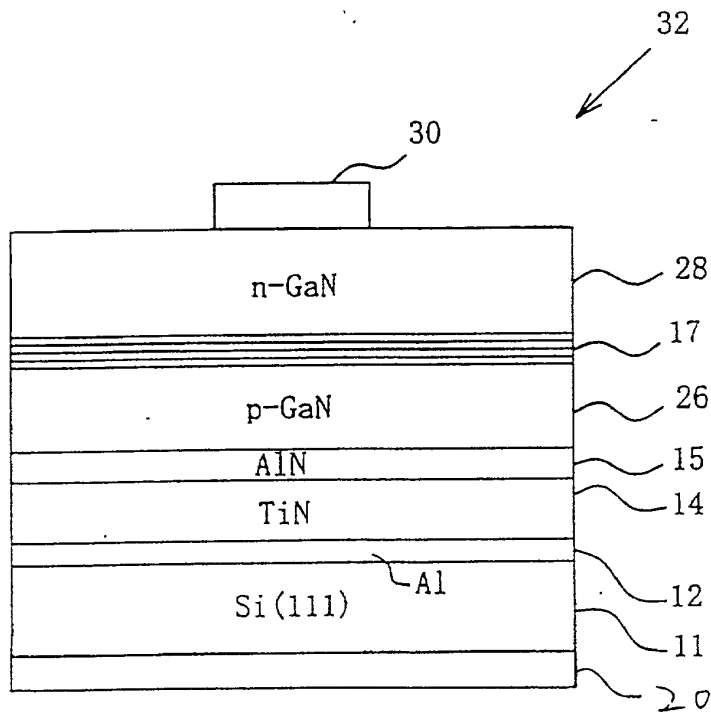


FIG. 12



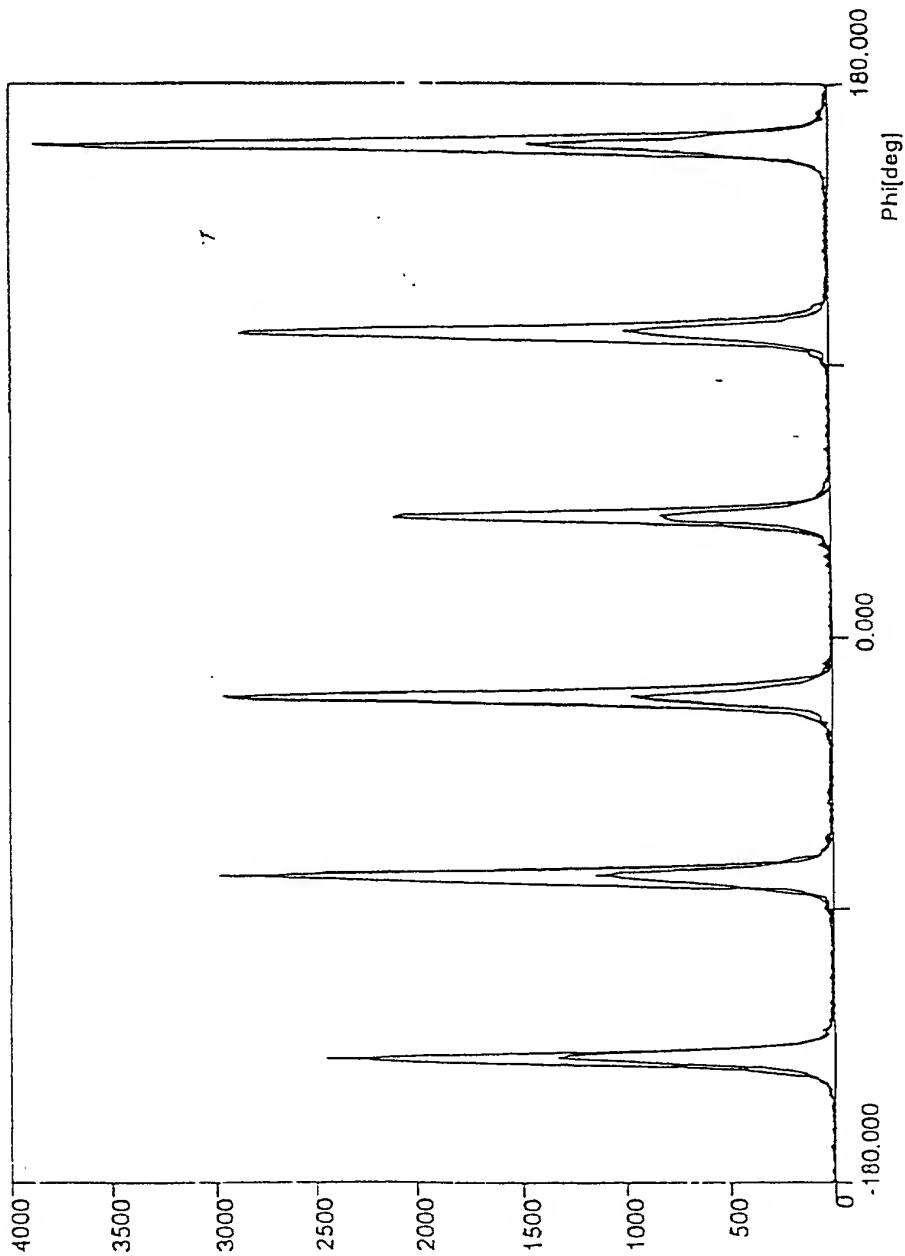


FIG. 13

FIG. 14
PHI Scanning

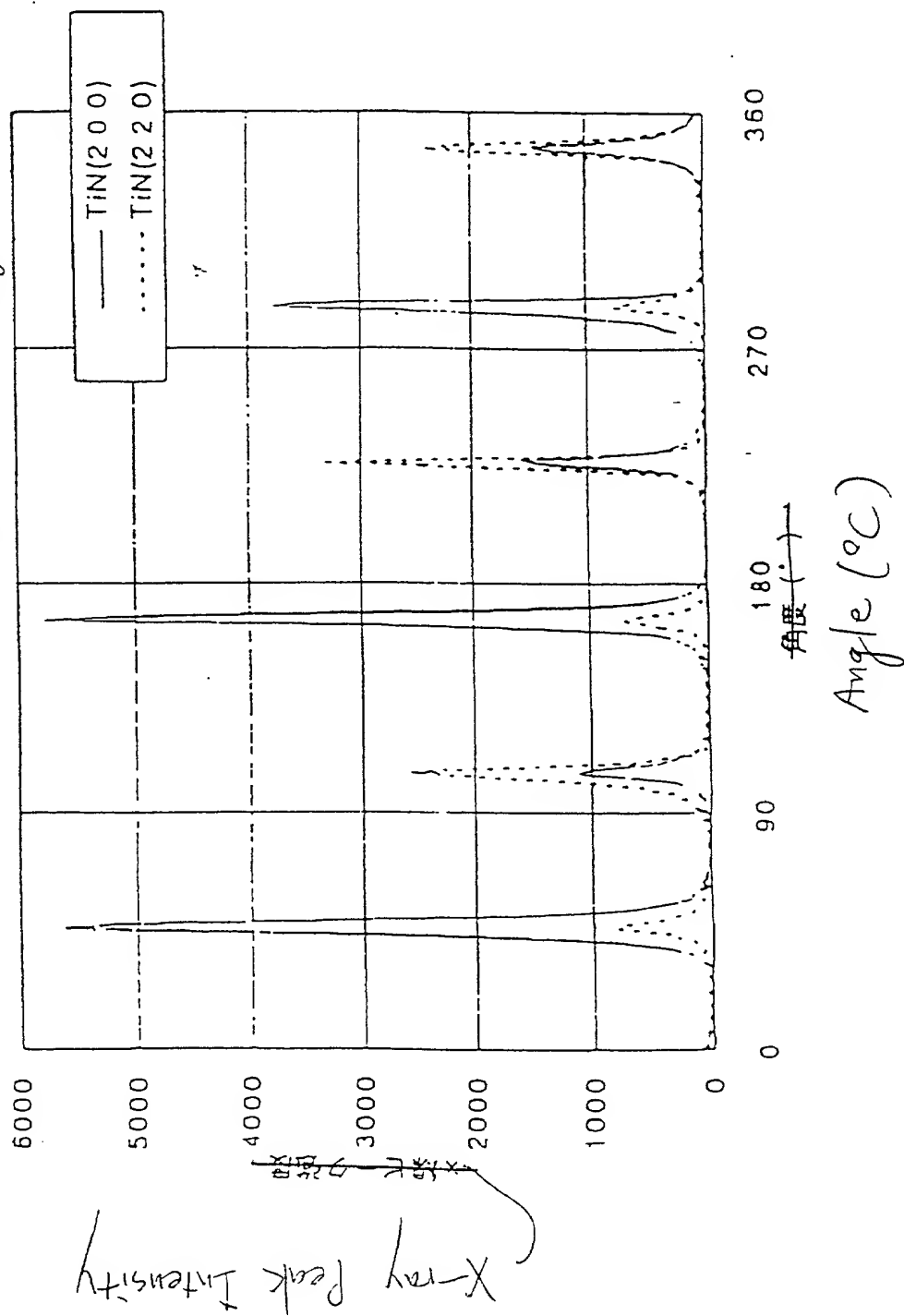
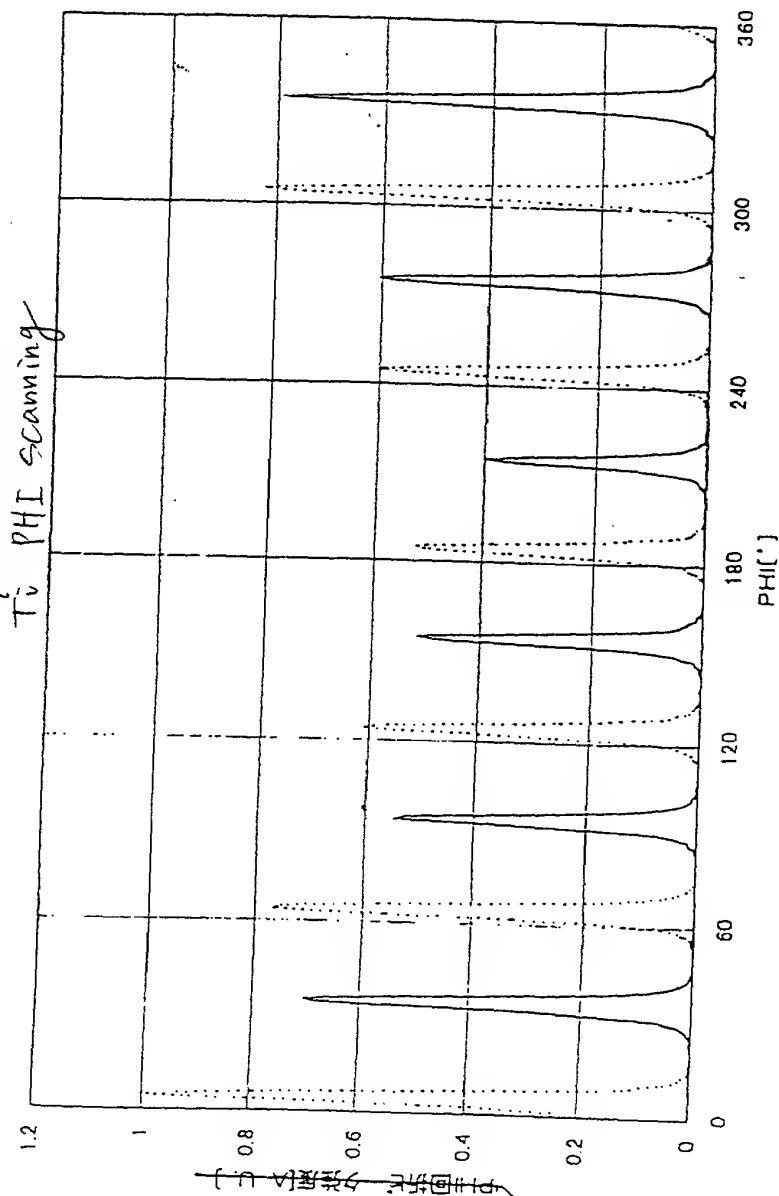


FIG. 15
特願平 11-060206

Ti(15000A)/TiN(5000A)/Al/Si

PHI Scanning



PHI Diffraction Peak Intensity [A.U.]

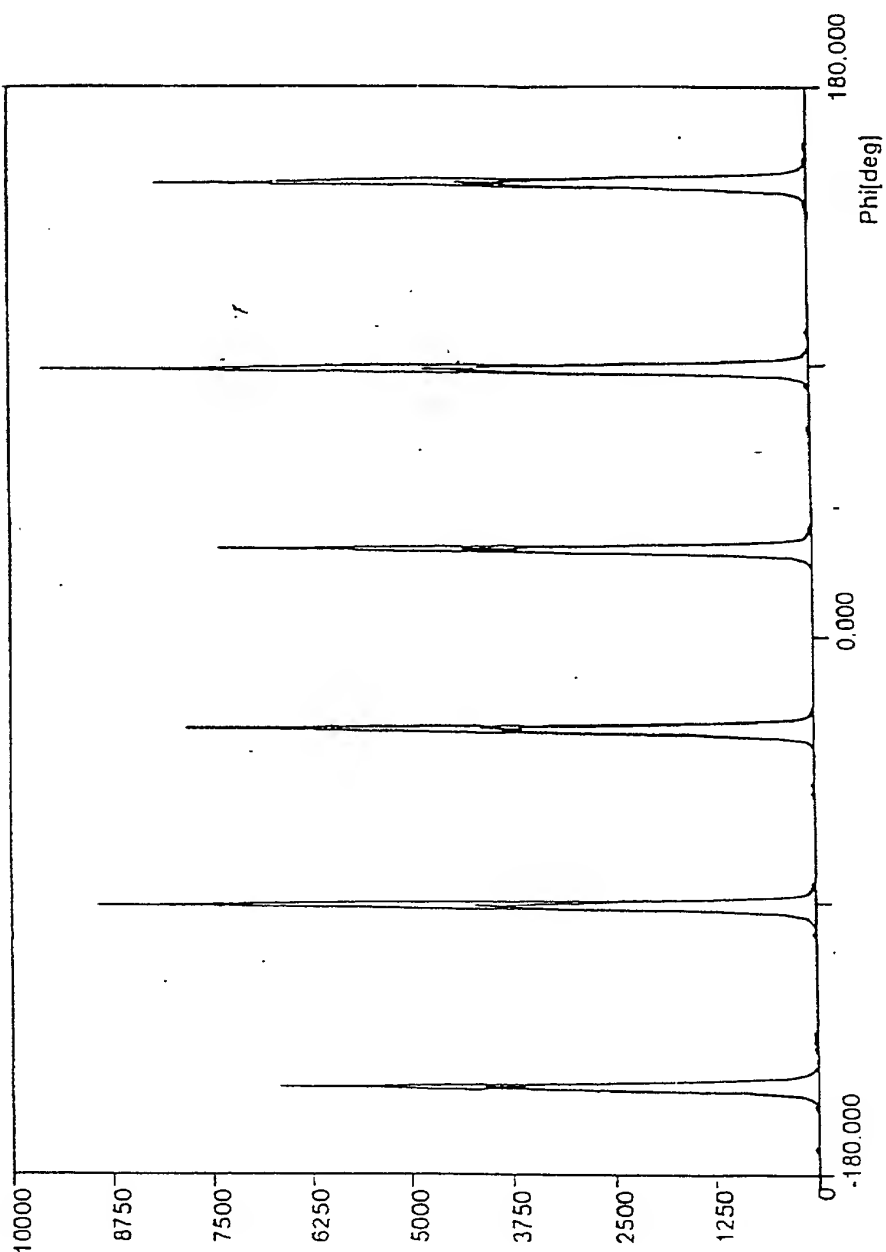
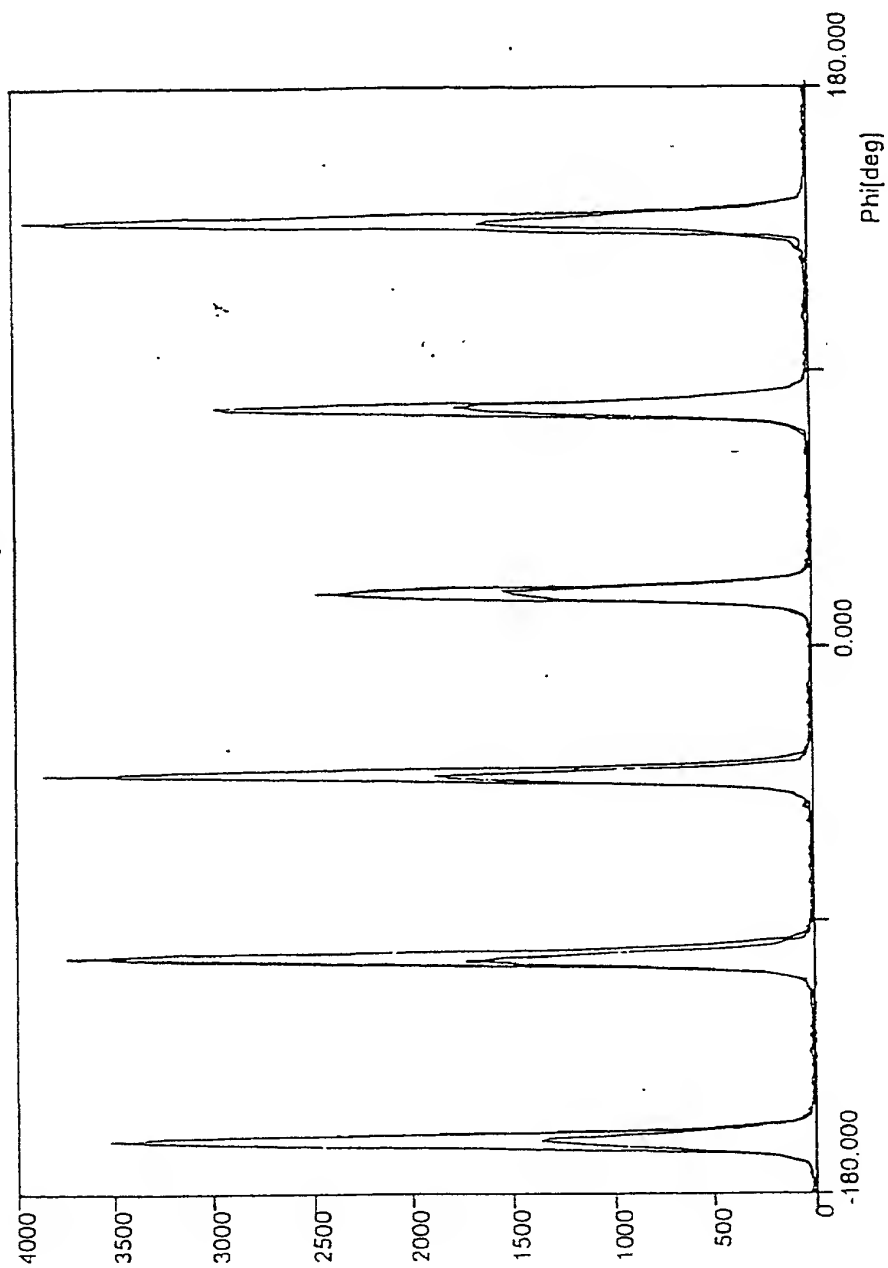
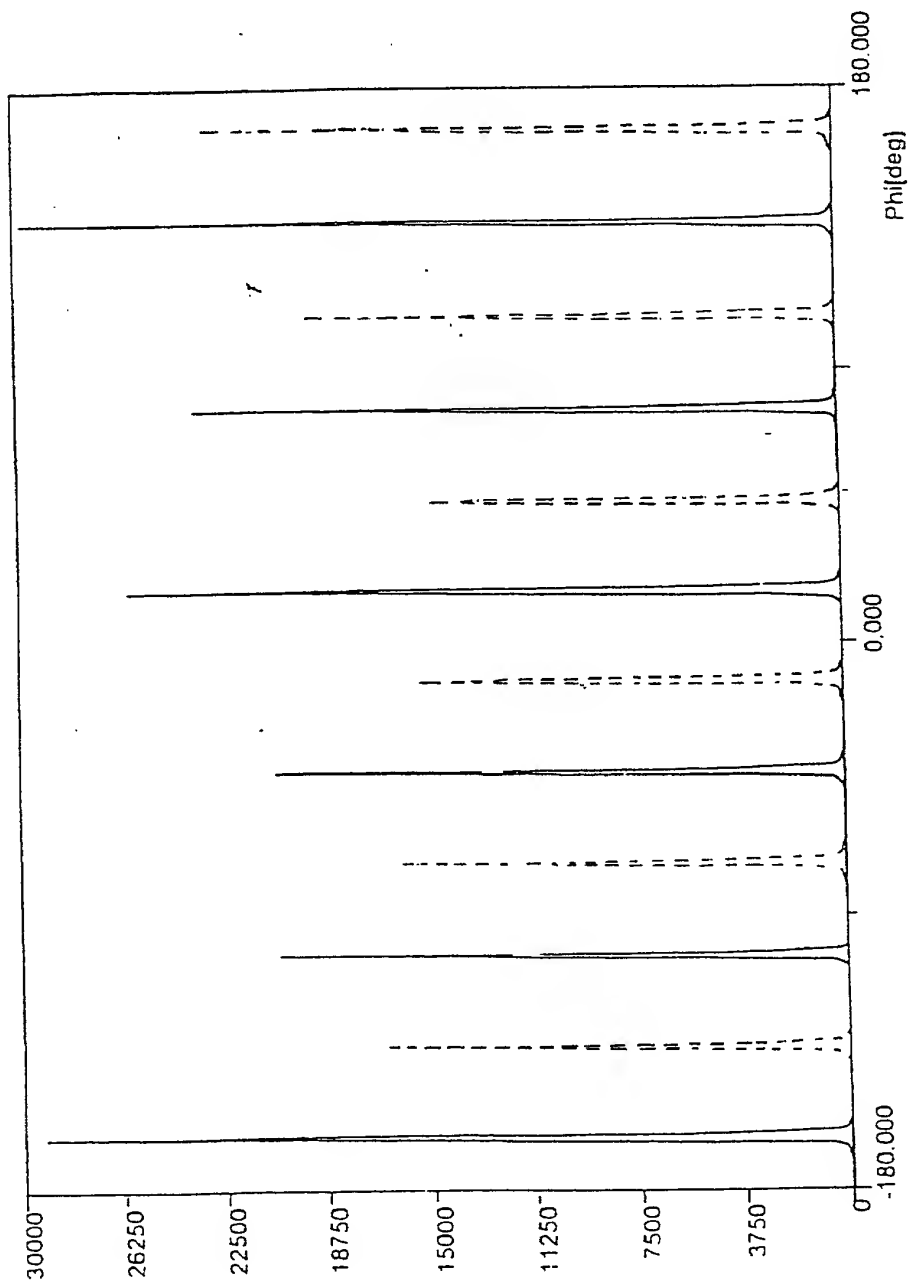


FIG. 16





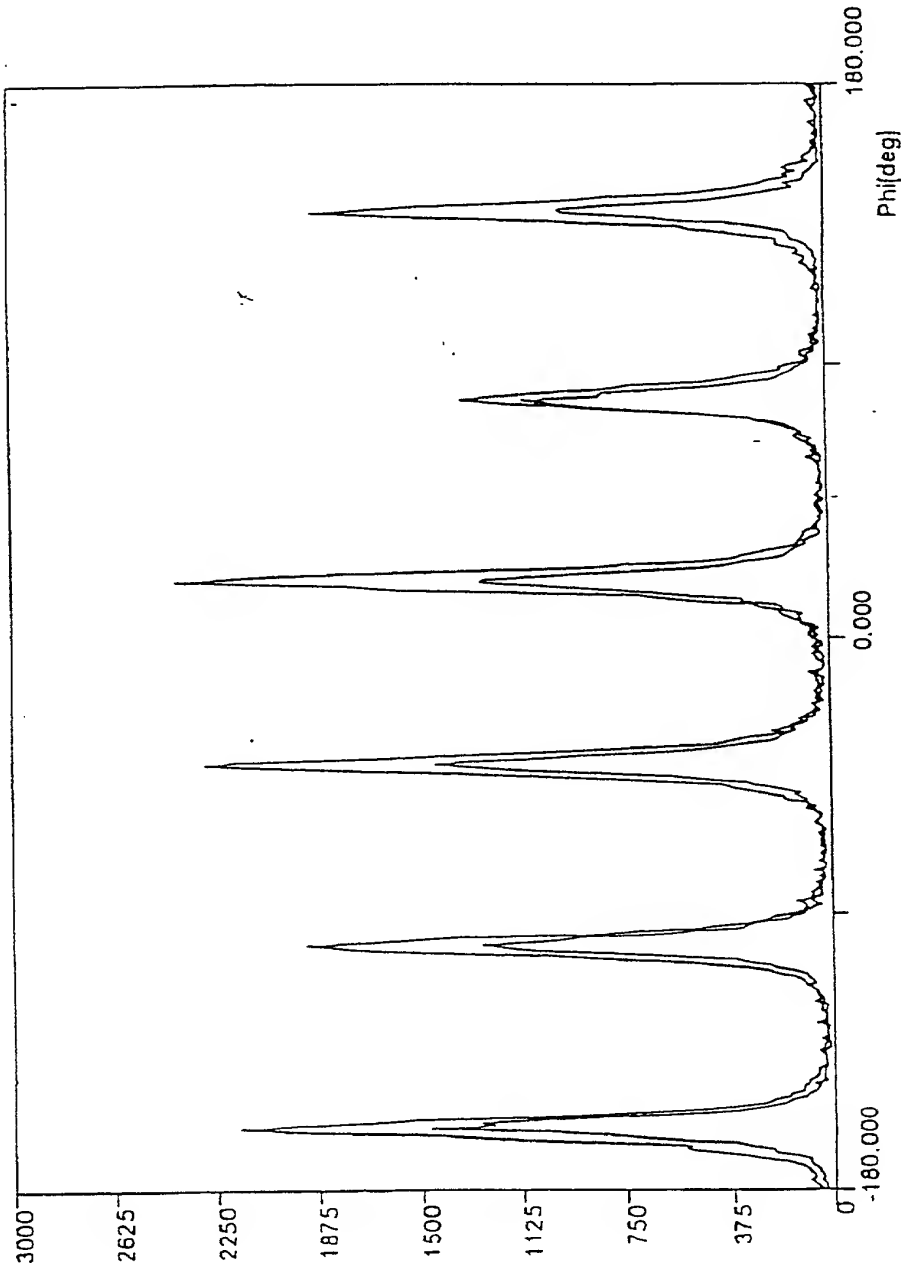


FIG 20

TIN/Al2O3
PHI Scanning

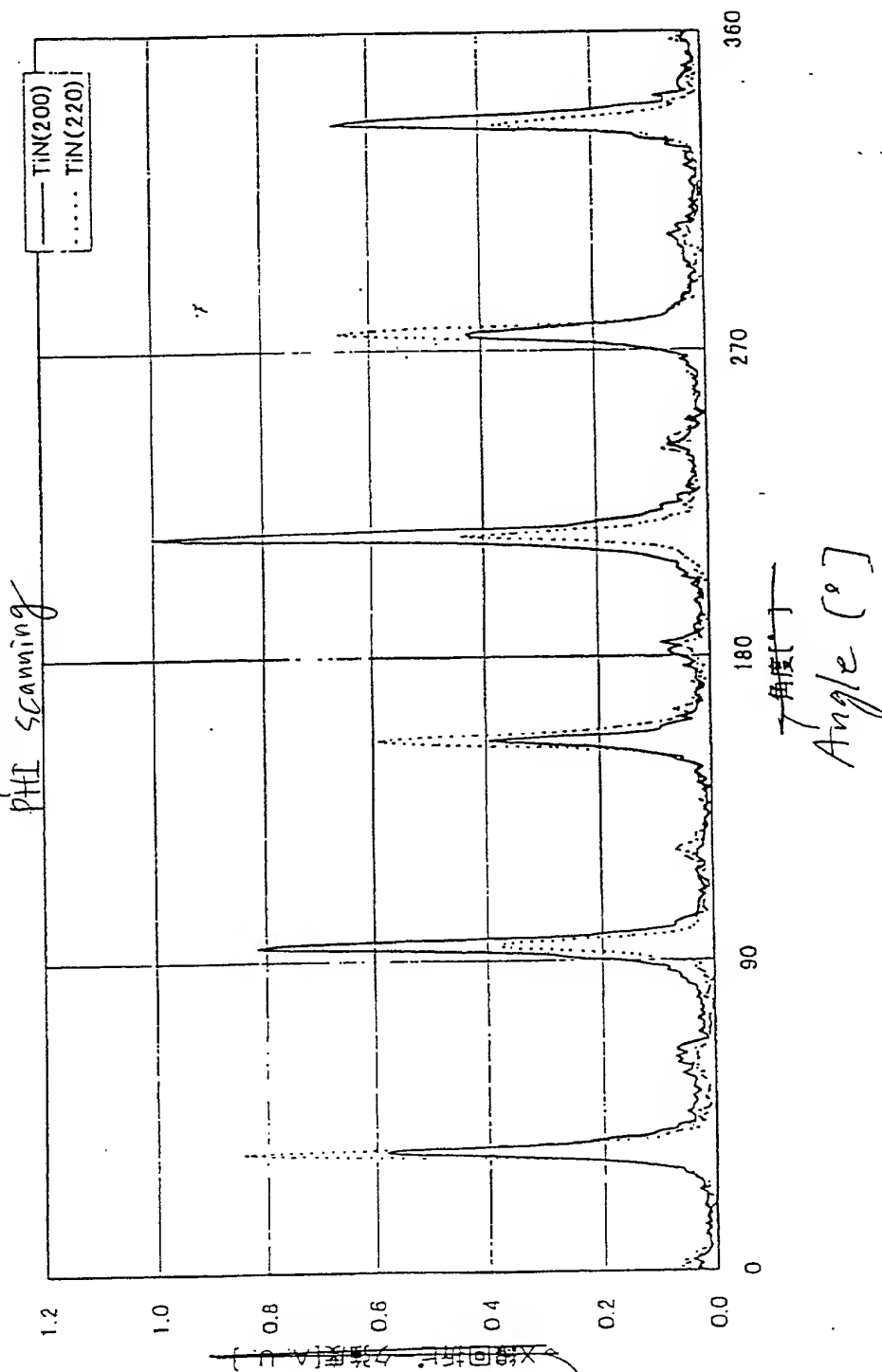


FIG. 21

X-ray Diffraction Peak Intensity [A.U.]

X線回折ピーク強度[A.U.]

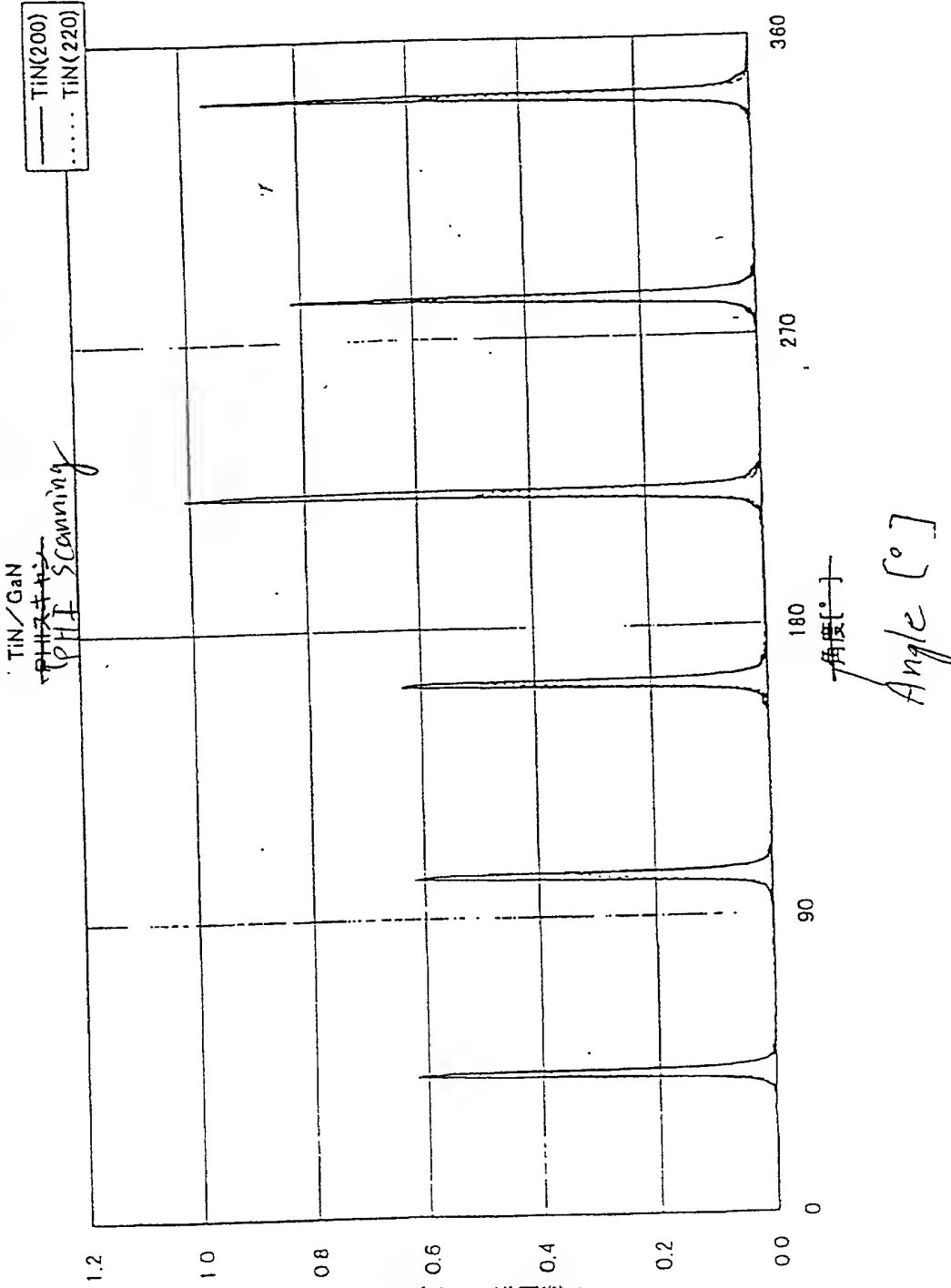
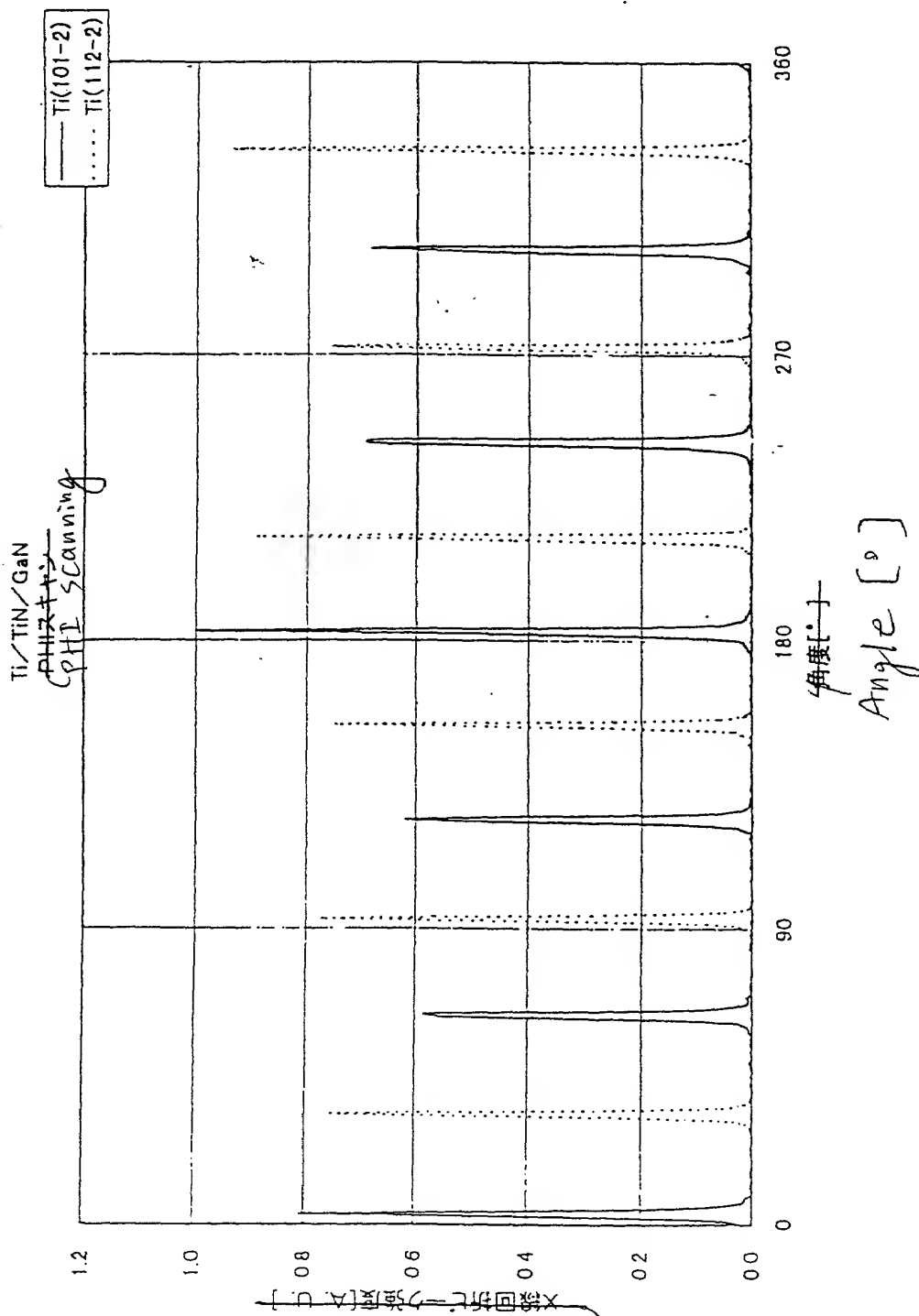


FIG. 22



X-ray Diffraction Peak Intensity [A.U.]

FIG. 23

100

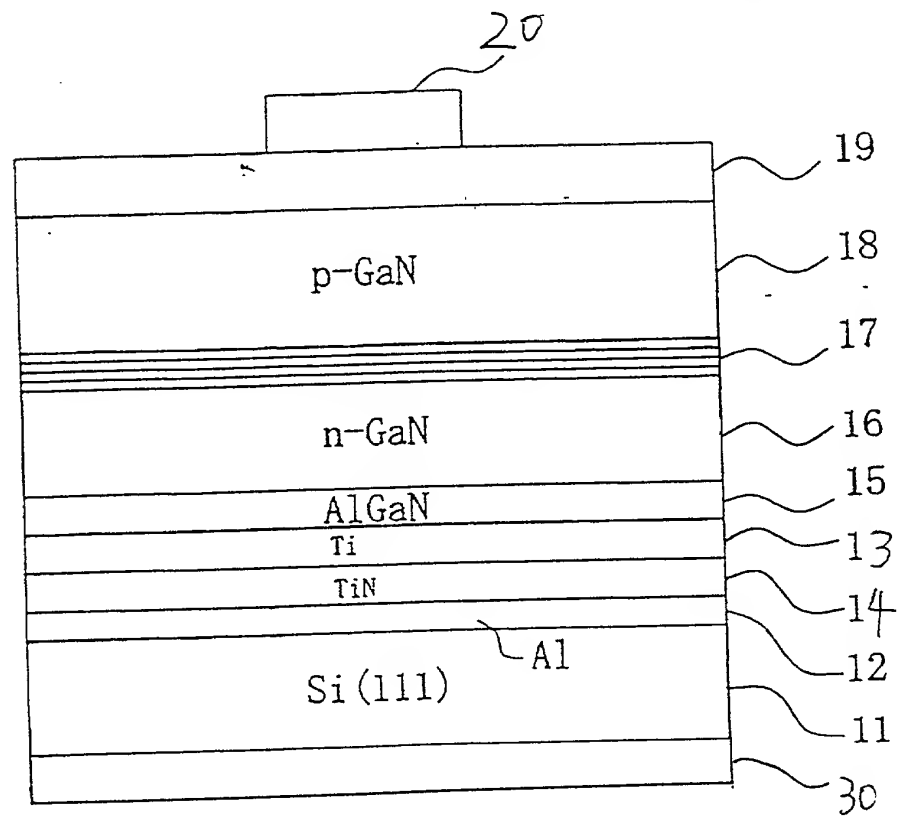


FIG. 24

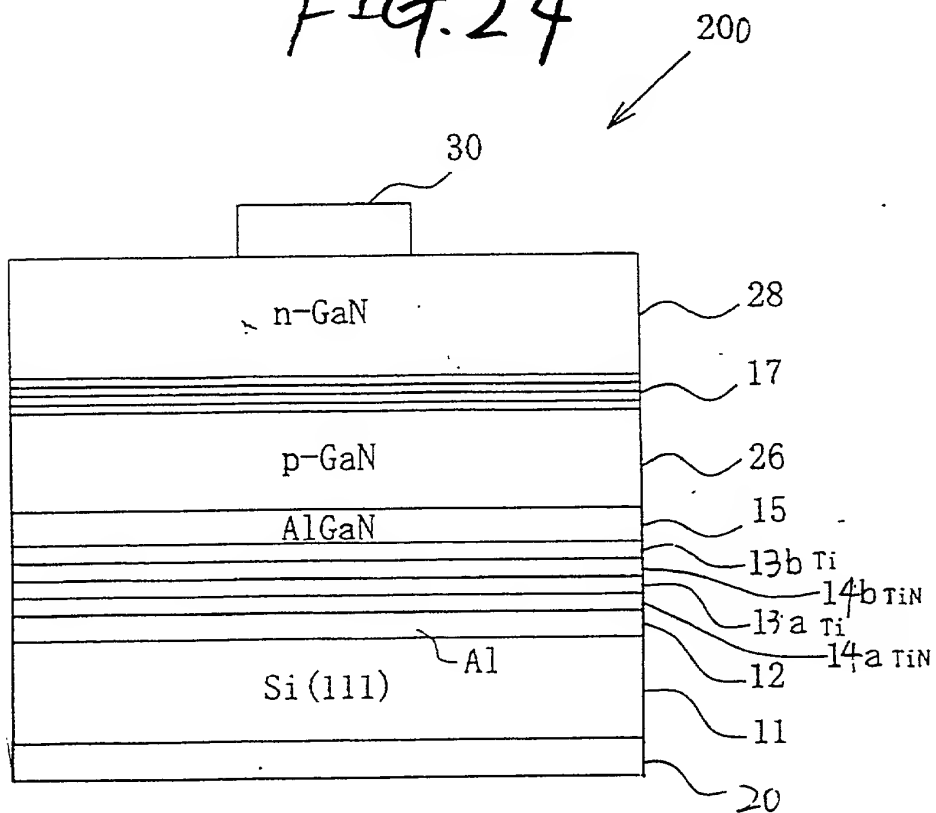


FIG. 25

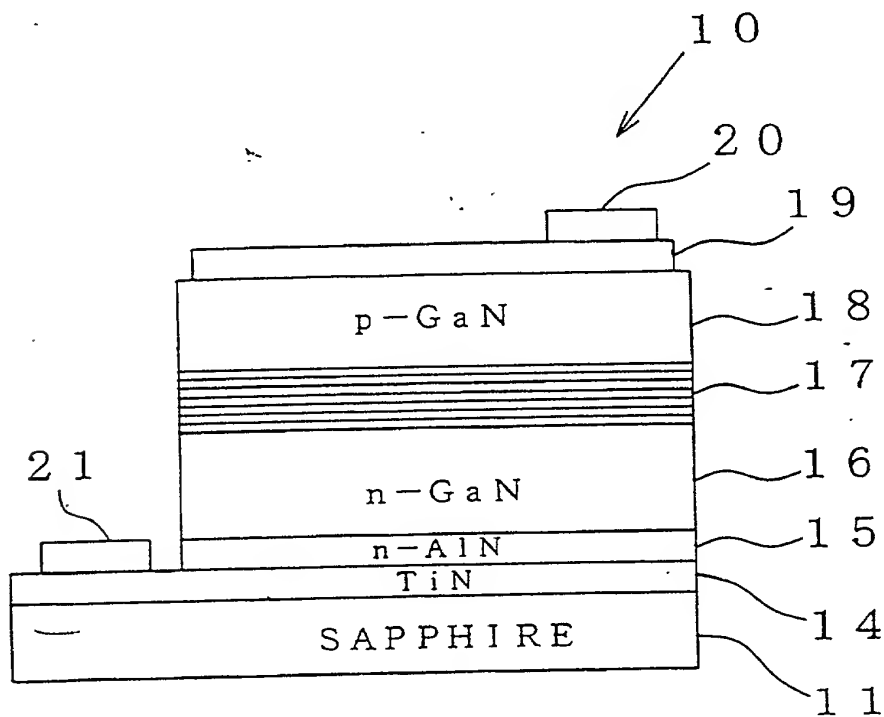


FIG. 26

